ENDEAVOUR INDEX 1986
Volume 10

Author Index

van BENTUM, P. J. M. Superconductivity: technology at zero degrees. 108
BRAHMACHARY, R. L. Ecology and chemistry of mammalian pheromones. 65
CAMPLANI, ANGELO Advanced nuclear power stations: Superphénix and fast-breeder reactors. 132
COLLIAS, NICHOLAS E. Engineering aspects of nest building by birds. 9
DAVIES-JONES, ROBERT see RABIN, ROBERT M. 20
DEDEREN, L. H. T. see WENDELAAR BONGA, S. E. 198
DeMONT, M. EDWIN see GOSLINE, JOHN M. 37
DENNY, MARK W. see GOSLINE, JOHN M. 37
GOOD, IVAN D. New bottles for old: the growth of glass recycling. 150
GOSLINE, JOHN M. The structure and properties of spider silk. 37
GROUT, BRIAN W. W. Freezing and higher plants. 203
HENRY, B. S. see Timberlake, C. F. 31
HILLSON, SIMON Archaeology and the study of teeth. 145
JELLEY, J. V. Tides. Their origins and behaviour. 184
KAISER, W. Ultra-short light pulses. 80
KEANE, JIM see YATES, JOHN 44
KLINOWSKI, J. The magic angle and all that: probing the structure of solids using nuclear magnetic resonance. 2
KÖNNEN, G. P. Viewing our world with polarizing glasses. 121
LAMSON, CYNTHIA Shipping in the Northwest Passage. A Pandora's box. 167
LAUDE, LUCIEN see WAUTELET, MICHEL 69
LAUWERIER, R. C. M. G. The role of meat in the Roman diet. 208
MAPLE, JOHN The JET project – a major step to harness energy from fusion. 177
MEARES, PATRICK Separating substances with synthetic membranes. 125
MICHELS, JOSEPH W. Obsidian hydration dating. 97
NELISSON, HENK A. M. Building on quicksand: the foundations of the Eastern Scheldt barrier. 139
ODDY, W. A. The touchstone: the oldest colorimetric method of analysis. 164
PILPEL, NEITON Molecular coatings on powders. 116
RABIN, ROBERT M. Atmospheric structure ahead of thunderstorms. 20
RAGAI, JEHANE Colour: its significance and production in Ancient Egypt. 74
RAYNER, JEREMY, M. V. Pleuston: animals which move in water and air. 58
SHEPPARD, C. J. R. Scanning methods in optical microscopy. 17
SMEATON, WILLIAM A. Carl Wilhelm Scheele (1742–1786). 28
SPAGNI, DANIEL see YATES, JOHN 44
STEPHENSON, F. RICHARD Astronomical records from Ancient Babylon. 90
TACKE, REINHOLD Sila-substitution. A useful strategy for drug design. 191
THOMAS, J. M. see KLINOWSKI, J. 2
TIMBERLAKE, C. F. Plant pigments as natural food colours. 31
TIMMONS, GEORGE Science, technology and education in the Industrial Revolution. 85
WAUTELET, MICHEL Industrial lasers. 69
WENDELAAR BONGA, S. E. Effects of acidified water on fish. 198
YATES, JOHN Marine mining: birth of a new industry. 44
ZAMBELLI, ANGELO see CAMPLANI, ANGELO. 132
ZILCH, HARALD see TACKE, REINHOLD. 191

Book Reviews

ALIX, A. J. P., BERNARD, L. and MANFAIT, M. (Eds) Spectroscopy of Biological Molecules (*R. W. Wijnaendts van Resandt*). 158
van ANDEL, T. H. New Views of an Old Planet. Continental Drift and the History of the Earth (*D. H. Tarling*). 101
ATWOOD, J. L., DAVIES, J. E. D. and MacNICOL, D. D. Inclusion Compounds Vols. 1, 2 and 3. (*D. J. Williams*). 53
AUDOUZE, J. and ISRAEL, G. (Eds) The Cambridge Atlas of Astronomy (*F. R. Stephenson*). 51
BARTÓK, M. *et al.* Stereochemistry of Heterogeneous Metal Catalysis (*Kenneth R. Seddon*). 103
BEER, P., MEADOWS, A. J. and ROY, A. E. (Eds) The Longitude Zero Symposium 1984 (*Colin Ronan*). 156
BEGHI, G. E. (ed) Synthetic Fuels (*H. Rothman*). 216
BERNARDI, F., CSIZMADIA, I. G. and MANGINI, A. (Eds) Organic Sulfur Chemistry. Theoretical and Experimental Advances (*D. J. H. Smith*). 215
BLACK, DAVID C. and MATTHEWS, MILDRED S. (Eds) Protostars and Planets II (*S. J. Aarseth*). 157
BONNER, W. N. and WALTON, D. W. H. (Eds) Antarctica (*Peter Wadhams*). 55
BRETT, C. T. and HILLMAN, J. R. (Eds) Biochemistry of Plant Cell Walls (*C. J. Smith*). 55
BROCK, W. H. From Protyle to Proton. William Prout and the Nature of Matter 1785–1985 (*W. A. Smeaton*). 106
BRODSKYA, V. Ya and URYVAEVA, I. V. Genome Multiplication in Growth and Development. Biology of Polyploid and Polytene Cells (*J. A. Roper*). 52
BRYANT, J. A. and FRANCIS, D. (Eds) The Cell Division Cycle in Plants (*J. A. Pryle*). 55
CADOGAN, PETER From Quark to Quasar. Notes on the Scale of the Universe (*Colin Ronan*). 214
CHOPPIN, G. R., NAVRATIL, J. D. and SCHULZ, W. W. (Eds) Actinide/Lanthanide Separations (*S. J. Lyle*). 159
CLARK, R. J. H. and HESTER, R. E. (Eds) Advances in Infrared and Raman Spectroscopy, Vol. 12 (*D. A. Long*). 104
CLARK, RONALD W. The Life of Ernst Chain. Penicillin and Beyond (*Trevor I. Williams*). 161
CLARKE, L. J. Surface Crystallography. An Introduction to Low Energy Diffraction (*M. W. Roberts*). 102
CLEVELAND, WILLIAM S. The Elements of Graphing Data (*H. D. Patterson*). 214
COVINGTON, MICHAEL Astrophotography for the Amateur (*G. S. Allbright*). 101
CRANSHAW, T. E., DALE, B. W., LONGWORTH, G. O. and JOHNSON, C. E. Mössbauer Spectroscopy and its Applications (*F. Berry*). 158
DISKIN, M. (Ed) Scientific Basis for Water Resources Management (*J. S. G. McCulloch*). 213
DRAGUTAN, VALERIAN, BALABAN, ALEXANDRU T. and DIMONIE, MIHAI Olefin Metathesis and Ring-Opening Polymerization of Cyclo-olefins (*M. L. H. Green*). 104
DYSON, FREEMAN Origins of Life (*Harmke Kamminga*). 213
DYSON, J. E. (Ed) Active Galactic Nuclei (*M. J. Rees*). 51
EUROPEAN RESEARCH CENTRES, Vols. 1 and 2 (*Trevor I. Williams*). 156
EVANS, E. A., WARRELL, D. C., ELVIDGE, J. A. and JONES, J. R. Handbook of Tritium NMR Spectroscopy and Applications (*B. E. Mann*). 54
FIELD, R. J. and BURGER, M. (Eds) Oscillation and Traveling Waves in Chemical Systems (*A. J. B. Cruikshank*). 53
FRANKS, FELIX Biophysics and Biochemistry at Low Temperatures (*B. W. Grout*). 54
FRIDAY, A. and INGRAM, D. S. (Eds) The Cambridge Encyclopedia of Life Sciences (*Margaret E. Varley*). 50
FRIEDEL, ROBERT, ISRAEL, PAUL and FINN, BERNARD S. Edison's Electric Light. Biography of an Invention (*E. D. P. Symons*). 217
GLUXMAN, Y. (Ed) Understanding AIDS. A Comprehensive Guide (*J. D. Milton*). 105
GRASSIE, NORMAN and SCOTT, GERALD Polymer Degradation and Stabilisation (*I. C. McNeill*). 53
GREENWOOD, N. N. and EARNSHAW, A. Chemistry of the Elements (*R. D. W. Kemmitt*). 102
GREENWOOD, P. J., HARVEY, P. H. and SLATKIN, M. (Eds) Evolution. Essays in Honour of John Maynard Smith (*P. J. O'Donald*). 101
GRIME, J. KEITH (Ed) Analytical Solution Calorimetry (*A. A. Woolf*). 53
HABER, L. F. The Poisonous Cloud (*Trevor I. Williams*). 213
HANESSIAN, STEPHEN Total Synthesis of Natural Products: The 'Chiron' Approach (*H. C. S. Wood*). 216
HANKINS, THOMAS L. Science and the Enlightenment (*M. B. Hall*). 56
HARTER, P. Sulphates in the Atmosphere (*C. N. Hewitt*). 214
HENBEST, NIGEL and MARTEN, MICHAEL The New Astronomy (*D. J. Raine*). 157
HOFFMAN, GEORGE W. The European Energy Challenge. East and West (*David Collingridge*). 50

VOL. 10 1986

HOLDEN, ARUN V. (Ed) Chaos (*Howell Tong*). 215
HORVATH, A. L. Handbook of Aqueous Electrolyte Solutions (*J. G. Dawber*). 158
HUMPHREY, PETER B. (Ed) Marine Mining. A New Beginning (*D. S. Cronan*). 157
INDUSTRIAL RESEARCH IN THE UNITED KINGDOM, 11th Edition (*Trevor I. Williams*). 213
JACOBS, J. J., ALLARD, M., BEHMO, S. and MOREAU, J. Nickel and Cobalt Extraction using Organic Compounds (*A. R. Burkin*). 215
JORDAN, PETER Schistosomiasis. The St Lucia Project (*R. F. Sturrock*). 160
KATRITZKY, ALAN R. Handbook of Heterocyclic Chemistry (*K. Smith*). 215
KENNEDY, J. F., PHILLIPS, G. O., WEDLOCK, D. J. and WILLIAMS, P. A. (Eds) Cellulose and its Derivatives (*G. A. F. Roberts*). 54
KEIR, LEMONT B. and HALL, LOWELL H. Molecular Connectivity in Structure-Activity Analysis (*I. W. Nowell*). 216
KNIPE, A. C. and WATTS, W. E. (Eds) Organic Reaction Mechanisms 1983 (*A. R. Butler*). 103
KÖNNEN, G. P. Polarized Light in Nature (*Alv Egeland*). 101
KUDRNA, OTAKAR (Ed) Butterflies of Europe, Vol. 1. Concise Bibliography (*Denis Owen*). 105
KULAV, I. S., DAWES, A. E. and TEMPEST, D. W. (Eds) Environmental Regulation of Microbial Metabolism (*G. A. Codd*). 52
LASKER, G. W. Surnames and Genetic Structure (*R. N. Curnow*). 51
LAVENDA, B. H. Nonequilibrium Statistical Thermodynamics (*T. D. Beynon*). 102
LAVER, W. GRAEME and AIR, GILLIAN M. Immune Recognition of Protein Antigens (*A. Mostratos*). 160
LAWLEY, K. P. (Ed) Photodissociation and Photoionization (*Ken Dolder*). 52
LEE, J. J., HUTNER, S. H. and BOVEE, E. C. (Eds) Illustrated Guide to the Protozoa (*M. Johnston*). 159
LEGGE, ALLAN H. and KRUPA, SAGAR V. (Eds) Air Pollutants and their Effects on the Terrestrial Ecosystem (*A. R. Wellburn*). 214
LERNER, RICHARD A., CHANOCK, ROBERT M. and BROWN, FRED (Eds) Vaccines 85. Molecular and Chemical Basis of Resistance to Parasitic and Viral Diseases (*A. J. Morgan*). 160
LEVY, HILDE George de Hevesy (*Colin Russell*). 56
LILLER, BILL and MAYER, BEN The Cambridge Astronomy Guide. A Practical Introduction to Astronomy (*A. A. Mills*). 156
LOBBAN, C. S., HARRISON, P. J. and DUNCAN, MARY J. The Physiological Ecology of Seaweeds (*M. Wilkinson*). 55
LOVELL, BERNARD The Jodrell Bank Telescopes (*C. M. Humphries*). 55
LYONS, JOHN W. Fire (*D. J. Rasbash*). 156
McAINSH, T. F. (Ed) Physics in Medicine and Biology Encyclopedia, Vols. 1 and 2 (*D. F. Jackson*). 217
McINTOSH, ROBERT P. The Background of Ecology. Concept and Theory (*M. S. Davies*). 50
McLAREN, K. The Colour Science of Dyes and Pigments, 2nd Ed. (*G. Hallas*). 216
McMAHON, A. MICHAEL The Making of a Profession: A Century of Electrical Engineering in America (*W. J. Reader*). 106
MALONE, T. F. and ROEDERER, J. G. (Eds) Global Change (*F. P. W. Winteringham*). 50
MARCUS, YIZHAK Ion Solvation (*C. A. Vincent*). 158
MOORE, J. A. (Ed) Macromolecular Syntheses (*G. Scott*). 53
MORAWETZ, HERBERT Polymers. The Origins and Growth of a Science (*P. Morris*). 104
MURDIN, PAUL and LESLEY Supernovae (*K. H. Elliott*). 156
MURRELL, J. N., KETTLE, S. F. A. and TEDDER, J. M. The Chemical Bond, 2nd Ed. (*P. F. Fowler*). 159
NE'EMAN, Y. and KIRSH, Y. The Particle Hunters (*R. Lambourne*). 218
NEUMÜLLER, O-A. Römpps Chemie-Lexikon Vol. 4, M-Pk (*Peter Morris*). 216
DUFFIN, W. J. (Ed) Aspects of Matter in Science Today. Discussions with Emile Noël (*Bernard Dixon*). 50
OLENICK, RICHARD P., APOSTOL, TOM M. and GOODSTEIN, DAVID L. The Mechanical Universe. Introduction to Mechanics and Heat (*Andrew Porteous*). 102
OLIVER, STEPHEN G. and WARD, JOHN M. A Dictionary of Genetic Engineering (*D. J. McGeoch*). 52
OPPORTUNITIES IN CHEMISTRY (*David Waddington*). 213
PACIFIC RESEARCH CENTRES: A Directory of Organizations in Science, Technology, Agriculture and Medicine (*Trevor I. Williams*). 217
PADWA, ALBERT Organic Photochemistry, Vol. 7 (*A. Gilbert*). 103
PARKINSON, CLAIRE L. Breakthroughs: A Chronology of Great Achievements in Science and Mathematics (*T. I. Williams*). 161
PAU, HARRY W. From Knowledge to Power. The Rise of the Science Empire in France 1860–1939 (*Anna Guagnini*). 161
PETROSKI, HENRY To Engineer is Human. The Role of Failure in Successful Design (*A. C. Payne*). 156
PIPPARD, A. B. Response and Stability. An Introduction to the Physical Theory (*P. G. Drazin*). 157
PITT, MARTIN J. and PITT, EVA Handbook of Laboratory Waste Disposal (*L. Bretherick*). 101
PIZEY, J. S. (Ed) Synthetic Reagents (*P. J. Parsons*). 54
POOLE, ROBERT K. and DOWN, CRAWFORD S. (Eds) Microbial Gas Metabolism. Mechanistic, Metabolic and Biotechnological Aspects (*J. A. Hill*). 102
RABINOVITCH, B. S., SCHURR, J. M. and STRAUSS, H. L. (Eds) Annual Review of Physical Chemistry, Vol. 36, 1985 (*A. Couper*). 157
RAVEN, C. E. John Ray: Naturalist (*Helen Brock*). 218
RICHARDSON, C. C., BOYER, R. D., DAWID, I. B. and MEISTER, A. (Eds) Annual Review of Biochemistry, Vol. 54 1985 (*D. T. Elmore*). 161
ROYAL SOCIETY, THE Biographical Memoirs of Fellows of the Royal Society (*Trevor I. Williams*). 106
SADLEJ, JOANNA Semi-empirical Methods of Quantum Chemistry (*Stephen Bell*). 52
SAKURAI, H. (Ed) Organosilicon and Bioorganosilicon Chemistry (*A. Pelter*). 104
SCHÄFER, GÜNTER Third European Bioenergetics Conference (*S. B. Wilson*). 103
SCHULMAN, S. G. (Ed) Molecular Luminescence Spectroscopy Methods and Applications: Part 1 (*Antony J. Rest*). 103
SCHLIWA, MANFRED The Cytoskeleton. An Introductory Survey (*M. J. de Brabander*). 160
SIGEL, HELMUT (ed) Metal Ions in Biological Systems, Vol. 19, Antibiotics and their Complexes (*R. J. P. Williams*). 159
SIGEL, HELMUT (ed) Metal Ions in Biological Systems, Vol. 20, Concepts on Metal Ion Toxicity (*D. C. H. McBrien*). 217
SQUIRES, EUAN The Mystery of the Quantum World (*C. S. Sharma*). 214
STARKE, LINDA (Ed) State of the World. A Worldwatch Institute Report on Progress Toward a Sustainable Society (*Bernard Dixon*). 50
STEPHENSON, F. R. and HOULDEN, M. A. Atlas of Historical Eclipse Maps. East Asia 1500 BC–AD 1900 (*Colin Ronan*). 218
SUTTON, A. A Victorian World of Science (*W. H. Brock*). 105
SZASZ, LEVENTE Pseudopotential Theory of Atoms and Molecules (*G. P. Srivastava*). 102
TRAMPER, J., van der PLAS, H. C. and LINKO, P. (Eds) Biocatalysts in Organic Synthesis (*S. Godtfredsen*). 158
TRAVIS, N. J. and COCKS, E. J. The Tincal Trail: A History of Borax (*Trevor I. Williams*). 56
TSIEN TSUEN-HSUIN Science and Civilisation in China, Vol. V. Part 1. Paper and Printing (*Trevor I. Williams*). 105
VERKADE, PIETER E. A History of the Nomenclature of Organic Chemistry. By Pieter E. Verkade (1891–1979). Bos, B. J. T., Maat, L., Slootmaekers, P. J. and Wepster, B. M. (Eds) (*G. P. Moss*). 56
WATKINS, PETER Story of the W and Z (*T. McMahon*). 218
WHIPPLE, FRED L. The Mystery of Comets (*J. A. M. McDonnell*). 215
WILL, C. M. Theory and Experiment in Gravitational Physics (*R. W. Tucker*). 51
WILLS, B. A. (Ed) Mineral Processing Technology, 3rd Ed. (*A. C. Apling*). 54
WINN, LOIS K. and WINN, HOWARD E. Wings in the Sea. The Humpback Whale (*Jonathan Gordon*). 104
WOOD, BERNARD; MARTIN, LAWRENCE and ANDREWS, PETER (Eds) Major Topics in Primate and Human Evolution (*Bernard Dixon*). 217
WOOLLATT, EDGAR The Manufacture of Soaps, Other Detergents and Glycerine (*D. D. Penketh*). 159
YOUNG, ROBERT M. Darwin's Metaphor. Nature's Place in Victorian Culture (*M. Teich*). 106

VOL.
10
1986